

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

--Claims 1. and 2. (Cancelled).

--Claim 3. (Currently Amended) A speaker apparatus, comprising:

a primary coil arranged on a fixed pole piece and disposed in a vicinity of a gap of a magnetic circuit and to which a current corresponding to an input audio signal is supplied;

a one-turn cylindrical ring forming a secondary coil, arranged on a movable bobbin and disposed in the gap[,] for [inducing] having induced therein a current corresponding to a current that flows in said primary coil, and being movable relative to said primary coil; and

a vibrating plate attached said bobbin and vibrated by said secondary coil with an interaction of the current induced by said secondary coil and a magnetic flux in the gap,

wherein the following relation is satisfied

$$L1/L2 = R1/R2$$

Wherein R1 is a DC resistance of said primary coil; L1 is an inductance of said primary coil; R2 is a DC resistance of said secondary coil; and L2 is an inductance of said secondary coil.

--Claim 4. (Previously Presented) The speaker apparatus as set forth in claim 3,

wherein when a coupling coefficient of said primary coil and said secondary coil is equal to 1, a square of the number of turns of said primary coil is equal to a ratio of the DC resistance R1 of said primary coil and the DC resistance R2 of said secondary coil.